

New York State Department of Transportation

Yellow Flag NB22CTW006

By: Rehan Afridi

Flag Date: March 18, 2022

Superseding Information:

This flag supersedes: YF NB2158W020

Structure Information

BIN: 1065318

Feature Carried: 278I278IX2M23027

Feature Crossed: 6TH AVENUE

Orientation: 8 - NORTHWEST

Region: 11 - NEW YORK CITY

County: KINGS

Political Unit: City of NEW YORK

Approximate Year Built: 1962

Posted Load Matches Inventory : Yes

Bridge Load Posting (Tons) : Not Posted for Load

Primary Owner: New York State Department of Transportation

Primary Maintenance Responsibility: 12 - State - Subcontracted to another Party

Typical or Main Span Type: 3 - Steel, 02 - Stringer/Multi-Beam or Girder

This Bridge is not a Ramp

Number of Spans: 322

Verbal Notification Information

Person Notified: Heinz Joachim, P.E.

Date: March 18, 2022 10:00:00 AM

Of: NYSDOT Region 11

Signature Information

Signature: Rehan Afridi, P.E. 075185

Date: April 04, 2022

Reviewed By: Robert Kemp

Date: April 04, 2022

Attachments: 5

Flagged Elements

Parent Element	Element	Total Quantity	Unit
Span Number : 130			
	107 - Steel Open Girder/Beam	781	ft
	PR831 - Steel Beam End	34	each

Flagged Condition Description

This Yellow Flag NB22CTW006 supersedes previously issued Yellow Flag No. NB2158W020.

Location: Span 130 Girder G15 at Pier 129

Description: The end of Girder G15 in Span 130 at Pier 129 exhibits a 1-1/4" long (previously noted 1-1/8" long) diagonal crack in the girder web stemming from the top of the top cope of the girder (Photos 2 and 3). The girder is framed into the web of the pier.

Notes:

1. Girder G15 exhibits 30% section loss at the upper web at the top cope for 4"H x 4"W area and 20% section loss at the lower web at the bottom cope for 10"H x 5"W area (Photo 2). The condition is the same as reported in the last inspection.

2. The adjacent Girder G14 exhibits 20% section loss in the lower web above the bottom flange and for the full height of the web along the connection angle. In addition, the stiffener connected to the right face of the girder exhibits a 2" x 1" corrosion hole at the top of the stiffener with 20% section loss throughout. There is no significant change in the condition since the last inspection.

3. The flagged condition is located above the center lane on 3rd Avenue EB roadway and was accessed using 30ft bucket truck with double left lane closure.

Flag Photographs

Photo Number: 1

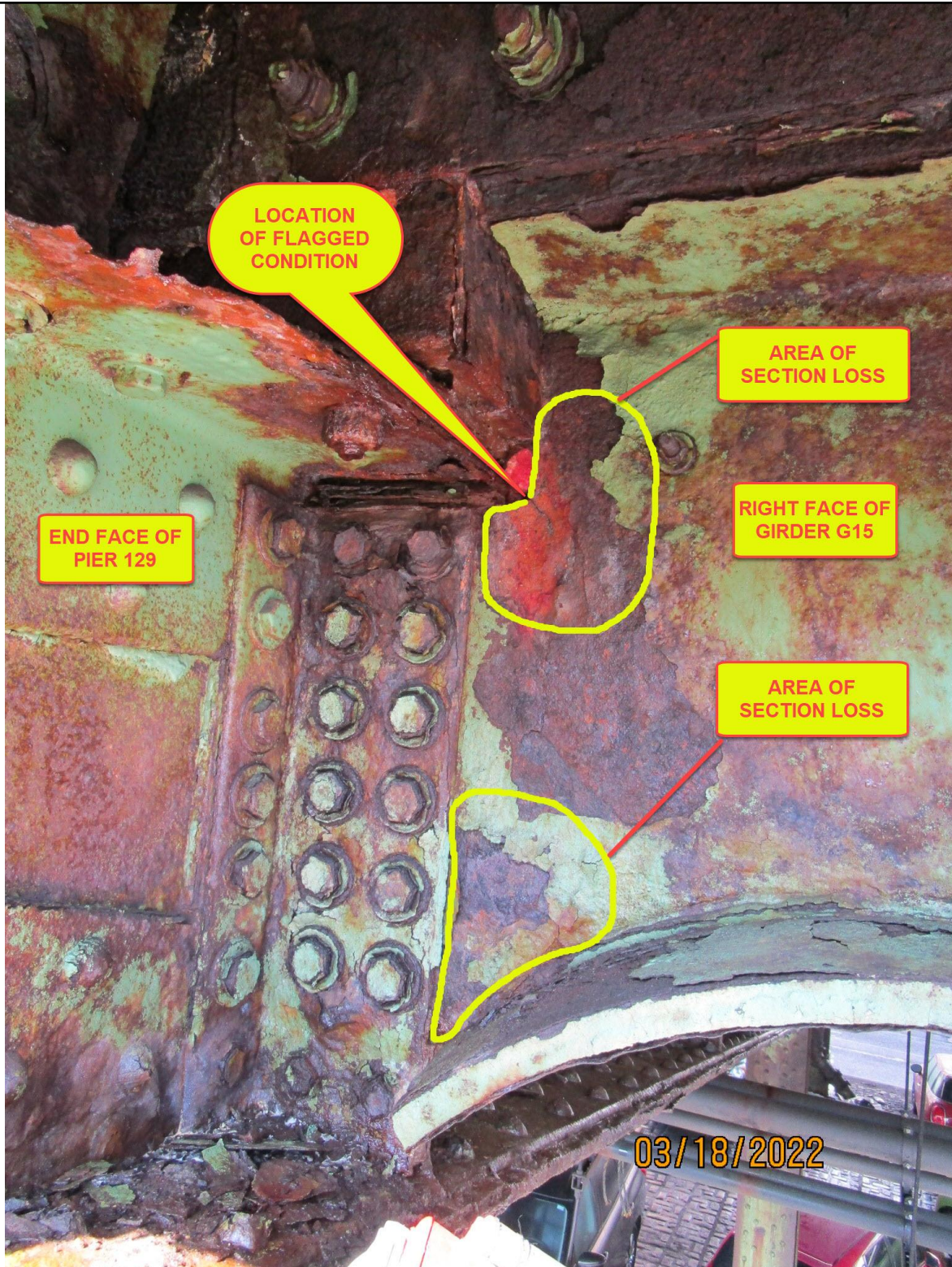
Photo Filename: Photo 1-RA_603-0148 edited.jpg



Attachment Description: General view of the flagged condition at Girder G15 in Span 130 at Pier 129. Looking Begin.

Photo Number: 2

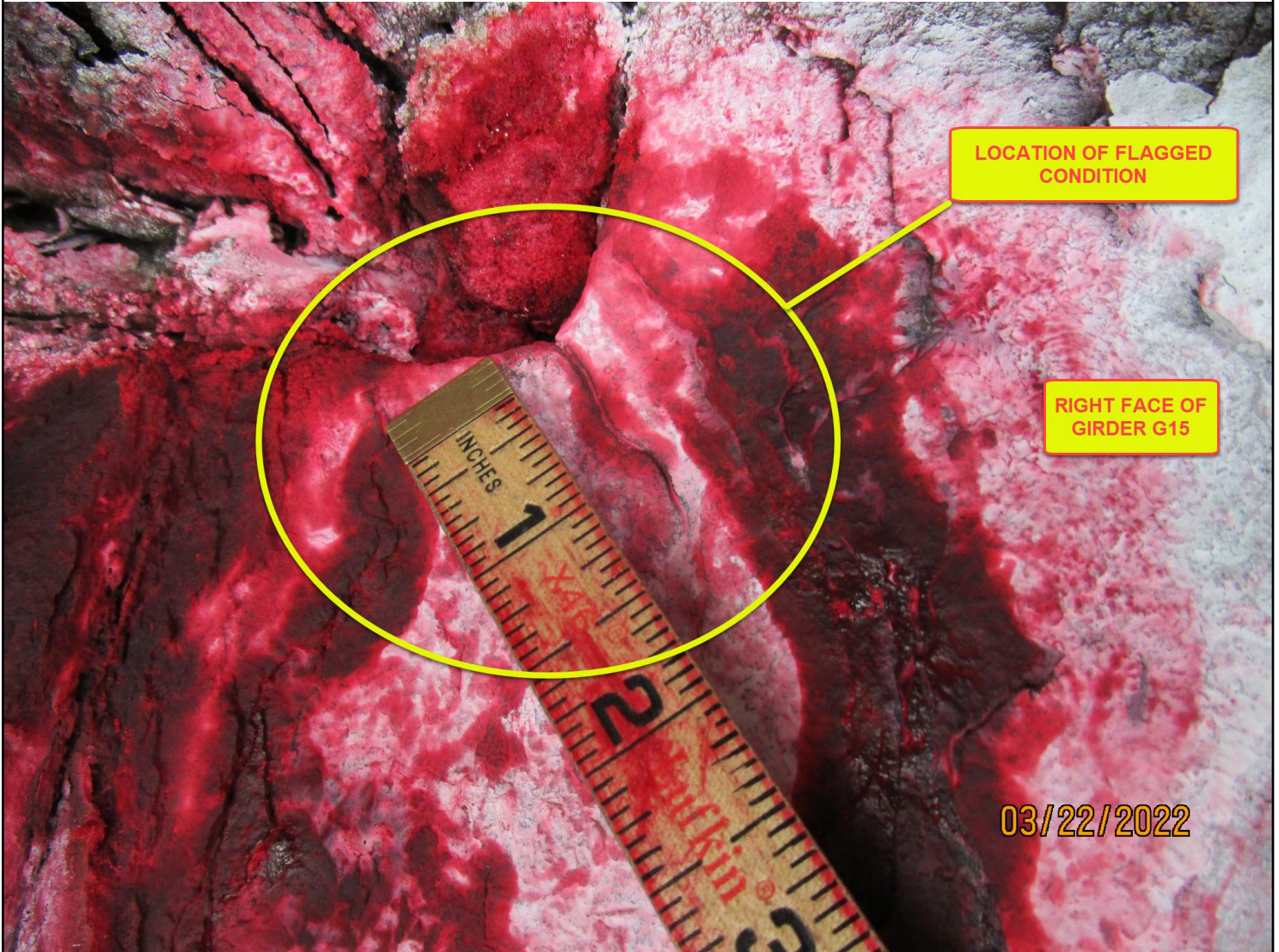
Photo Filename: Photo 2-RA_603-0155.JPG



Attachment Description: The right face of Girder G15 in Span 130 at Pier 129. The upper web of the girder exhibits a diagonal crack at the top cope with section loss at the upper and lower web of the girder. Looking Left.

Photo Number: 3

Photo Filename: Photo 3-RA_604-0226.JPG



Attachment Description: Close up view of the right face of Girder G15 in Span 130 at Pier 129. The upper web of the girder exhibits a diagonal crack at the top cope. Looking Left.

Photo Number: **4**Photo Filename: **22YF_Span 130_G15 Sketch.jpg****Right Face of Girder G15 Sketch in Span 130 at Pier 129**

N.T.S.

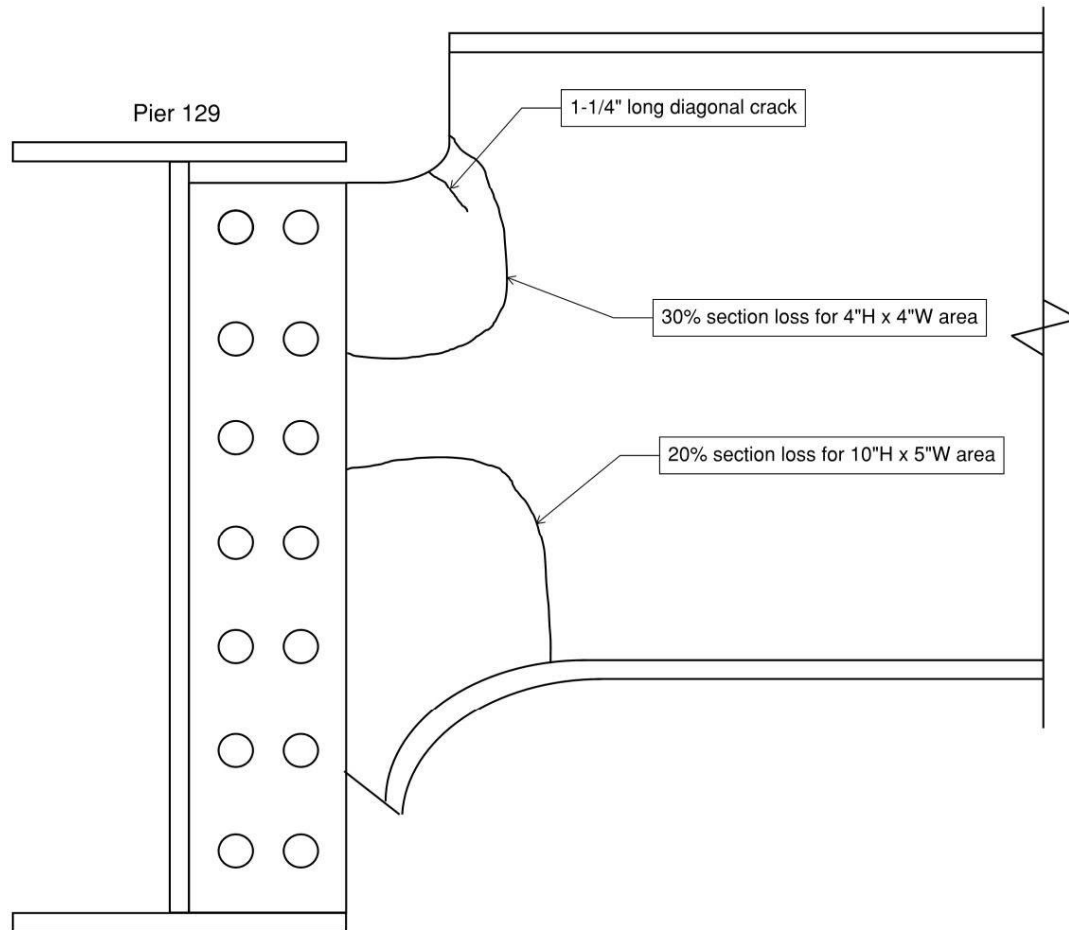
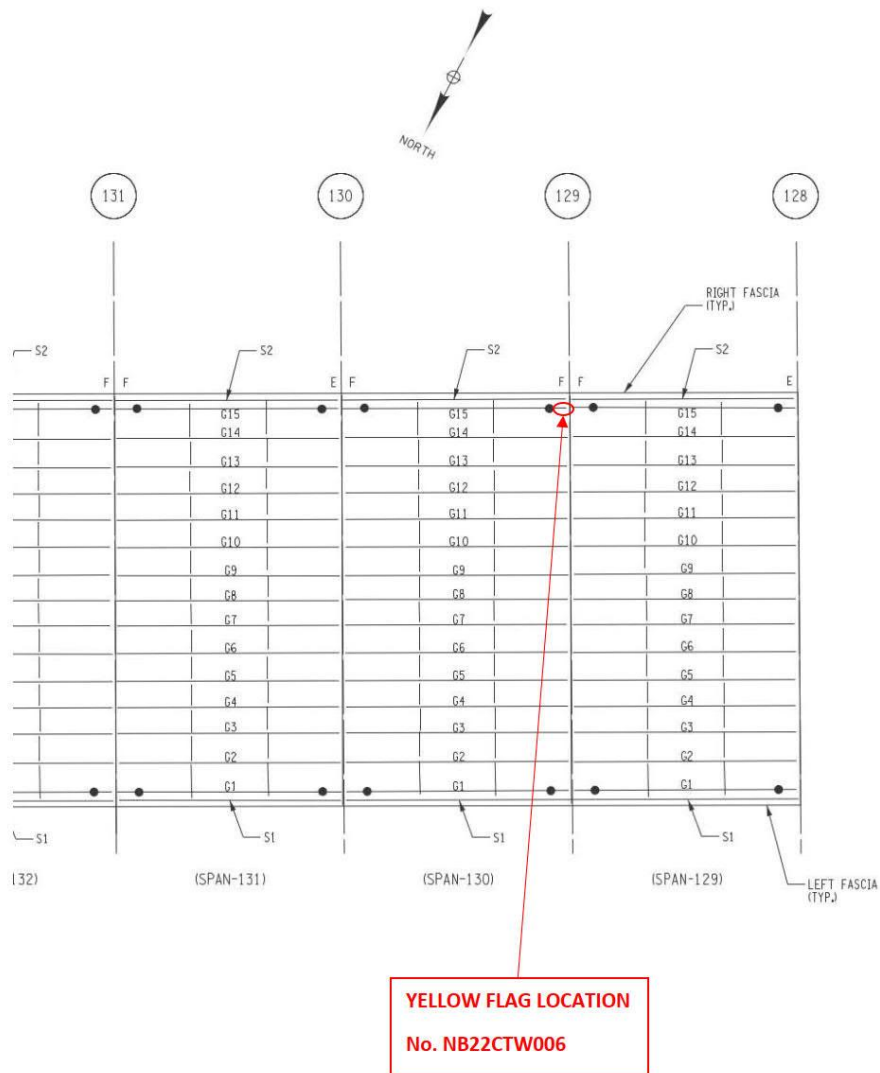
DATE 03/18/2022TEAM LEADER Rehan Afridi, P.E. ASSISTANT TEAM LEADER Marcos Perez**Attachment Description: Span 130 G15 at Pier 129 Sketch**

Photo Number: 5

Photo Filename: YF NB22CTW006 Framing Plan --.jpg



Attachment Description: Span 130 G15 at Pier 129 Framing Plan